

Demo_8_Wind_Solar_Demo_Final

Welcome to the National Training Center's online training on how to enter wind and solar information on right-of-way cases in the case recordation database of the Legacy Rehost 2000 system. For those of you who don't know who I am, my name is Rick Selbach and I am the Data Administrator at the BLM Arizona state office. I've been the Data Administrator there for about 5 years. Part of that I was a Data Analyst, also at the Arizona state office, for about 10 years. I've been an instructor at the NTC for over a decade now, teaching about the LR2000 system. This includes annual segments at both the lands and realty and adjudication fundamentals courses, as well as occasional other courses. I'm also an instructor for BLM's Data Management for Data Stewards course. Now that you know who I am, let's discuss what this demonstration is all about.

Secretarial Order 3285 established the development of renewable energy as a priority for the Department of the Interior and emphasized the need for tracking BLM progress in identifying and resolving obstacles to renewable energy permitting, citing, development and production. With the increased emphasis on renewable energy projects, the Washington office required additional information in order to efficiently track projects and actions nationwide. So in September of 2009 the ability to track identified conflicts and estimated completion dates of environmental and other decision documents for wind and solar projects was added to LR2000. The Washington office instruction memorandum 2010-077 provides guidance on the use of the newly created data elements for solar energy, wind energy, and electric transmission line case records in the LR2000

system. The IM states that, "The ability to produce reports that present a consistent and current representation of the BLM's total renewable energy related caseload and the BLM's progress on processing renewable energy applications is more critical than ever." LR2000 is the BLM's official tool for internal and external case record information and proper use allows data to be aggregated in consistent manner across BLM administrative boundaries. LR2000 must contain complete, accurate, up to date information for use by the BLM, the department, and the public. So it essential that case records in LR2000 be updated to comply with these new data standards and that the case records be properly maintained thereafter enable production of timely accurate reports. So, the purpose of this demonstration is to show you how to properly enter renewable energy data in case recordation utilizing national data standards and the wind solar resource and environmental information screens.

The topics that we will be covering are. We will talk about the four renewable energy case types. We will discuss the formatting of the action remarks for action code 124 in all of these case types. We'll also discuss the 5 mandatory action codes for these cases and then we'll demonstrate the specialized data entry screens. Now that you know will going to be covered, let's talk a little bit more about our four case types.

The first thing that needs to be determined is the type of renewable case with which we are dealing. There are 4 different renewable energy case types utilized

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in case recordation. As you can see on your screen, there are 3 different case types for wind energy, depending upon if it is a type 1 – site specific testing grant, a type 2 – project area testing grant or a wind farm development area grant. The fourth case type is used for all solar development facility area grants. We always have to remember to pick the correct case type and enter that into the header detail screen of case recordation. When dealing with solar development facility area grants, there are 2 kinds of solar technologies that the department of energy considers ready or nearly ready for commercial deployment. The first is concentrating solar power technologies. The different technologies within that group include: parabolic trough, power tower, linear Fresnel reflector, and dish splashed energy. The second kind of technology is photovoltaic technology and that includes both flat pate and concentrating technologies. So in action remarks for action code 124 you will be entering the number of megawatts produced for the development followed by the type of technology in the exact format. Here are the 6 different variations. As you can see, the first two are for the photovoltaic, followed by the type of technology and the last four are the concentrating. For example, if we had a photovoltaic concentrating technology for a 4000 megawatt facility, this is how we would enter those remarks in action remarks. If we had a 200 megawatt concentrating solar powered dish and energy technology, we would enter as such. If the technology or number of proposed megawatts changes at the time of the notice of intent or at the right-of-way grant, you would revise the action remarks to reflect the current data. You will not change the action date associated with action code 124. Our next area is wind energy.

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Just as in solar energy we will have specific formatting for the action remarks. For wind energy site testing cases, you are required to identify the number of meteorological towers authorized and located on public land. For the wind development cases, you are required to identify the number of turbines and the total megawatt capacity authorized and located on public land. So let's look at the action remarks for those types. So let's talk about the action remarks for action code 124. Our first 2 wind case types, as shown on your screen, action remarks should be entered with the word "wind test", followed by the number of meteorological towers, followed by the word twr as you can see in this example. It has 4 meteorological towers associated with this wind test case. For our next case type, which is for the wind development case, you have to identify the number of turbines and the total megawatts. So in this instance we had a 4000 megawatt facility with 300 turbines. Again if the number of purposed megawatts, towers, or turbines changes at the time of the notice of intent or when the right-of-way is actually granted you will revise the action remarks to reflect the current data, but you will not change the action date associated with action code 124. The next thing we need to discuss is the five mandatory action codes on renewable energy cases.

In addition to the action remarks formatting that we just talked about, these codes must be entered in LR2000 for all pending wind, solar, and renewable energy related electric transmission line applications. The 5 action codes are: 045 for

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project name; 046 for resource conflict; 047 for the forecasting date; 048 is the state application; 049 for BLM point of contact. Notice that both action code 046 and 047 have an asterisk by them; that's because these particular action codes employ new data entry screens and instructions on how to use these screens are available in the LR2000 case recordation transaction processing user guide. So let's take a look at these, newly created, specialized data entry screens. As you can see here, I brought up a case in case recordation under the view / update option. In this particular instance I have a right-of-way for a solar development facility, as you can tell by our case type. If I scroll down and go to the action screen, I'm going to click update action details just like you would with any other case. Here you can see some of our mandatory action codes entered in this case. Here's action code 045 for the project name and 049 for BLM point of contact. What I want to show you now are the supplemental screens for action code 046 and 047. So, the first thing you would have to do is add a new line so that you can enter a new action code. This instance we're using the same date and I'm going to put in 046 for action code. Now if I hit save and continue, or save and exit, I am going to receive a message. The system will tell you that a required resource or conflict needs to be entered for the specific line; in this case it's line number 6, which is the action code that we just entered. So we're going to hit OK. What this will do is take you to the new supplemental screens. As you can see, we are on the wind solar resource environmental information screen. What we're doing because we're dealing with action code 046, which has to do with resource conflict. What we have to do is identify which conflict we are doing

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here. So you will put your cursor in the conflict field, and you're going to hit look up. Now you'll get a pick list of all the available resource conflicts and you will select the one that is appropriate. In this instance we're going to select 02 – adjacent to and then hit select; it brings it in. Now in this instance we want to put something in remarks. What is this adjacent to? In this instance we're going to put that this is adjacent to a national monument and then you will hit save and continue. As you can see, that information is now there. Now if I had additional resource conflicts, I can enter them right here. This time we're going to pick another look up and then this time we're going to pick number 33 because we're saying there's a visual resource conflict. We don't want them building that solar area we're they're going to destroy our view. This time I'm going to go ahead and put save and exit to take us back to the update screen. As you can see, that what we see on the actual screen is just the action code 046 resource conflict. Nothing appears in action remarks, and you're not supposed to be putting anything in action remarks; that's what the sub-screens are for. Now the other action code that we must enter on our renewable energy cases is 047. So we're going to do that right now. Again, I'll add an additional line; use that same date, action code 047 for forecasted date and again if I try to hit whether it's save and continue or save and exit it will automatically tell me that I must enter that information. Required resource conflict information needs to be entered for line 7; so we hit OK. Again, we will put our cursor in the environment field and we will click on look up; in this instance we're going to pick NOI which is for the notice of intent to prepare the EIS and hit select. We don't have any remarks field; there is

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none associated with action code 047 and here we'll hit save and continue. Now if we had additional environmental documents that we wanted to enter a forecasted date for, we would enter them just like we did for action code 046. Then since this instance I'm just going to hit cancel so I can go back to the previous screen. Again, you can now see our action code 047 has been entered, nothing in action remarks, those sub-screens are in transaction processing hidden. They do not appear on your serial register page anywhere. You will only see them when you're in transaction processing, but they are available for the reports that the Washington office uses. If you had to change anything for instance, if we had put in that it was a notice of intent to prepare the EIS and we meant something different, what you would do is place the cursor, the radio button next to that particular action code. In this case here's the radio button for 047 and down here you can see wind / solar information. So you will click on that and it takes you to that sub-screen automatically, and here's where we could change that if we said we did not intend it to be the NOI, we had intended it to be and where we pull up our look up. We had intended it be the public notice of the environmental assessment and it changes up for us. Pretty simple but these are new screens that most people haven't seen yet. So now that you've seen the process on how to do this; let's go back and review our purpose.

Okay so let's do a quick review. The purpose of this demonstration was to discuss the renewable energy data elements and demonstrate how to properly enter renewable energy data in the case recordation database, utilizing national

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data standards and the new wind solar resource and environment information screens. Now the topics that we covered were the 4 case types, three for wind and one for solar. We talked about the action remarks formatting for action code 124. For solar cases it was the number of megawatts, followed by either PV or CSP, depending upon the type of technology and then followed an acronym for the sub-level of technology. For wind test cases it was the word “wind test”, followed by the number of meteorological towers and for wind development cases; it was the number of megawatts, followed by the number of turbines. We also talked about those 5 mandatory action codes; project name, resource conflict, forecasted date, state application and the BLM point of contact and then we discussed a little bit more in detail the specialized data entry screens for action code 046 – for resource conflict and action code 047 – for forecasted date and we showed you how to enter the data on those screens; and that’s it.

So remember it’s essential that LR2000 case records be properly maintained in order to enable the production of timely, accurate reports. Good luck in entering your energy renewable data.